# Carbonate to Bicarbonate Conversion Advanced Water Treatment with Carbonate X-MG™

The process of Carbonate to Bicarbonate conversion helps optimize water chemistry by converting carbonate ions into bicarbonate ions. Carbonate X-MG™ supports scale reduction, balanced alkalinity, magnesium enrichment, and improved water quality for commercial and industrial applications.

## Key Benefits

- Converts carbonate into bicarbonate efficiently
- Reduces limescale and equipment fouling
- Improves pH stability and buffering capacity
- Enriches treated water with magnesium
- Suitable for drinking water, coffee, food & beverage, and industrial systems

## Chemical Reaction

$$CO_3^{2-} + H^+ \rightarrow HCO_3^-$$

## Applications

Drinking Water Treatment | Coffee & Beverage | Commercial Kitchens | Food Processing | Industrial Water Treatment | Scale Prevention

Learn More:
https://www.watchwater.de/carbonate-x-mg